

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: July 18, 2001, 00:04:02 ; Search time 1176.35 Seconds  
(without alignments)  
2892.870 Million cell updates/sec

Title: US-09-457-066-1\_COPY\_829\_1188  
Perfect score: 360  
Sequence: 1 gcttttgttttgaagaa.....gcagaggagcacaggagga 360

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0  
Searched: 10228115 seqs, 4726426750 residues 20456230  
Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

, Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : EST:  
1: gb\_est1.\*  
2: gb\_est2.\*  
3: gb\_est3.\*  
4: gb\_est4.\*  
5: gb\_est5.\*  
6: gb\_est6.\*  
7: gb\_est7.\*  
8: gb\_est8.\*  
9: gb\_est9.\*  
10: gb\_est10.\*  
11: gb\_est11.\*  
12: gb\_est12.\*  
13: gb\_est13.\*  
14: gb\_est14.\*  
15: gb\_est15.\*  
16: gb\_est16.\*  
17: gb\_est17.\*  
18: gb\_est18.\*  
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30: gb\_est38.\*  
31: gb\_est39.\*  
32: gb\_est40.\*  
33: em\_estba.\*  
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62: em\_esthum28.\*  
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65: em\_estin3.\*  
66: em\_estin4.\*  
67: em\_estin5.\*  
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114: gb\_est45.\*  
115: gb\_est46.\*  
116: gb\_est47.\*

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117: gb_est48:*
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257: gb_est188:*
258: gb_est189:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.



REFERENCE	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
AUTHORS	1 (bases 1 to 851)
TITLE	NIH-MGC <a href="http://mgc.nci.nih.gov/">http://mgc.nci.nih.gov/</a> , National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999)
COMMENT	Contact: Robert Strausberg, Ph.D. Email: <a href="mailto:cgapbs-re@mail.nih.gov">cgapbs-re@mail.nih.gov</a> Tissue Procurement: DCTD/DRP cDNA Library Preparation: CLONETECH Laboratories Inc. cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA Sequencing by: Incyte Genomics, Inc. Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <a href="http://image.llnl.gov">http://image.llnl.gov</a> Plate: LLCM921 row: f column: 08 High quality sequence stop: 529.

Location/Qualifiers  
1. .851

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/organism="Homo sapiens"  
/db_xref="taxon:9606"  
/clone="IMAGE:4073095"
```

```

/clone="IMAGE:4073095"
/clone_lib="NIH_MGC_60"
/tissue_type="adenocarcinoma"
/lab_host="DH10B (T1 phage-resistant)"
/note="Organ: prostate; Vector: pDNR-L
site_1: Sfil (ggcgcgctcgcc); Site_2:
); Double-stranded cDNA was prepared f

```

sequence: 5'-ATTGACGGGAGGCGGCGGACAT-3' and the corresponding sense sequence: 5'-CAGCTCATTGAGG-3' (Where B = A, C, G or T). Average insert size 1.5 kb (range 0.9-4.0 kb). 1/15 colonies contained inserts by PCR. This library was enriched for full-length clones and was constructed by Clontech Laboratories (Palo Alto, CA). Note: this is a NIH-MGC Library."

	83.9%;	Score 302;	DB 144;	Length 851;	
ty	96.1%;	Pred. N. 1.le-83;			
ervative	0;	No matches 10;	Indels	4;	Gaps

	169 c	238 g	210 t
83.9%;	Score 302;	DB 144;	Length 851;
ty 96.1%;	Prod. No. 1.le-83;		
ervative	0; Mismatches 10;	Indels	4; Gaps
agaaaaaccagagtggtgac	tctgaac	cttctcaacagcgg	gggtaagat 64
agaaaaaccagagtggtgac	tctgaac	cttctcaacagcgg	gggtaagat 258
agacacctcgtaacctctcag	tgtccataaggggaagaa	actaaagagaacgcg	124
agacacctcgtaacctctcag	tgtccataaggggaagaa	actaaagagaacgcg	318
gtggccagggtgtgtctctcg	gtttaaacgcgtgtggg	gaactgtgcctgtt	184
tgGCCAGGTTGTGCTCC	TGTTAAACGCTGTGGT	GGAACCTGTGCCTG	-T 377
tgccaatgaatgtccaatg	tgtcccaagcaaa	gtagttactaaata	taccacg 244
tgcCAATGAATGTCAATGT	gtccCAAGCAAAAGT	TACTAAAAAATAC	CCAGC 437

[illegible]

950 bp mRNA EST 10-OCT-2000  
FL NIH MGC 58 Homo sapiens cDNA clone IMAGE:3827760 5'



## RESULT 6

BG609411 556 bp mRNA EST 17-APR-2001  
 LOCUS 323251 MARC IP1G Sus scrofa cDNA 5', mRNA sequence.  
 DEFINITION BG609411  
 ACCESSION BG609411.1 GI:13659390  
 VERSION EST.  
 KEYWORDS  
 SOURCE  
 ORGANISM  
 Sus scrofa  
 Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.  
 1 (bases 1 to 556)  
 Fahrenkrug, S.C., Kreking, B.A., Rohrer, G.A., Smith, T.P.L., Casas, E.,  
 Stone, R.T., Heaton, M.P., Grosse, W.M., Bennett, G.A., Laegreid, W.W.  
 and Keele, J.W.  
 Design and use of two pooled tissue normalized cDNA libraries for  
 EST discovery in swine  
 Unpublished (2000)  
 Contact: Smith TPL  
 USDA, ARS, US Meat Animal Research Center  
 PO Box 166, Clay Center, NE 68933-0166, USA  
 Tel: 402 762 4366  
 Fax: 402 762 4390  
 Email: smith@email.marc.usda.gov  
 Single pass sequencing. Bases called and alt trimmed with phred  
 v0.980904.e. Vector identified by cross\_match with the -minscore 18  
 and -minmatch 12 options.  
 PCR Primers  
 FORWARD: AGGAACAGCTATGACCAT  
 BACKWARD: GTTTCACGTCACGACG  
 Plate: 98 row: P column: 8  
 Seq primer: ATTAGTGACACTATAG.

## FEATURES source

1..556  
 /organism="Sus scrofa"  
 /db\_xref="taxon:9823"  
 /clone\_lib="MARC IP1G"  
 /tissue\_type="pooled"  
 /lab\_host="DH10B"  
 /note="vector: pCMV SPORT6; Site\_1: XbaI; Site\_2: XhoI;  
 Library made from pooled tissue from day 11, 13, 15, 20,  
 and 30 embryos."

## BASE COUNT

139 a 153 c 141 g 123 t

## Query Match

Best Local Similarity 73.7%; Score 265.2; DB 155; Length 556;  
 Matches 294; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

Qy 1 gctttgttttggaagaaatccagagtggtggaatcgaaccttctaagaggagga 60  
 Db 215 GCTTTGTTTTCGGAAGAAATCCAGAGTGGTGAATCTTCTCAAGGAAGAGTG 274  
 Qy 61 agattatcacgtgcacacctgtaacctctcagtggtccataaggggaagaaactaaagaga 120  
 Db 275 AGGTATACAGTGCACCCCTAGGAACTTTTCAGTGTCTATCAGGGAAGAGCTGAGAGA 334  
 Qy 121 accgatacatttttgcgcaggtgtctcctcgtgtaaacgctgtggtggaactgtgcc 180  
 Db 335 ACAGACACCATCTTGTGGCCAGGCTGCCTCTCGTCAAGCGTTGTGGCGGGAAGTGTGC 394  
 Qy 181 tgtgtctcccaattgcaatgaatgtaagtgtcccaagcaaaagttaactaaaaatac 240  
 Db 395 TGCTGATGCACACTGCAATGAGTGTGAGTGTGTCCTCCAGCAAGTCAACGAAGAAATAT 454  
 Qy 241 cacgaggtccttcagttgagacccaagaccggtgtcaggggattgcacaaatcacctcacc 300  
 Db 455 CACGAGGTCTTCTCATTGAGACCCCAAGACAGGTGTCCGGGGCTGCACAAAGTCCCTCACC 514  
 Qy 301 gacgtggccctggagaccatgagaggtgtgactgtgtgtgc 342

Db 515 GACGTGGCCCTGGAGCACACGAGGAGTGTGACTGTGCGTGTGC 556  
 |||||

## RESULT 7

BF151355 564 bp mRNA EST 29-DEC-2000  
 LOCUS uz15b12.y1 NCI\_CGAP\_Mam5 Mus musculus cDNA clone IMAGE:3669119 5'  
 DEFINITION similar to TR:Q9QV71 Q9QV71 FALLOTEIN.; mRNA sequence.  
 ACCESSION BF151355  
 VERSION BF151355.1 GI:11032750  
 KEYWORDS EST.  
 SOURCE house mouse.  
 ORGANISM Mus musculus  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 1 (bases 1 to 564)  
 NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.  
 National Cancer Institute, Cancer Genome Anatomy Project (CGAP),  
 Tumor Gene Index  
 Unpublished (1997)  
 Contact: Robert Strausberg, Ph.D.  
 Email: cgaps@mail.nih.gov  
 Tissue Procurement: Lothar Hennighausen Ph.D., Robin Humphreys  
 CDNA Library Preparation: Life Technologies, Inc.  
 CDNA Library Arrayed by: The I.M.A.G.E. Consortium (ILNL)  
 DNA Sequencing by: Washington University Genome Sequencing Center  
 Clone distribution: NCI-CGAP clone distribution information can be  
 found through the I.M.A.G.E. Consortium/ILNL at:  
 image.llnl.gov/image/html/iresources.shtml

MGI:1429887

Seq primer: -4ORP from Gibco

High quality sequence stop: 436.

## FEATURES source

1..564  
 Location/Qualifiers  
 /organism="Mus musculus"  
 /strain="C57/B6"  
 /db\_xref="taxon:10090"  
 /clone\_lib="IMAGE:3669119"  
 /clone\_lib="NCI\_CGAP\_Mam5"  
 /tissue\_type="tumor, gross tissue"  
 /dev\_stage="7 months"  
 /lab\_host="DH10B"  
 /note="Organ: mammary; Vector: pCMV-SPORT6; Site\_1: SalI;  
 Site\_2: NotI; Cloned unidirectionally. Primer: Oligo dT.  
 Library constructed by Life Technologies. Investigators  
 providing samples: Lothar Hennighausen/Robin Humphreys,  
 NIH"

BASE COUNT 157 a 130 c 140 g 137 t  
 ORIGIN

Query Match 72.7%; Score 261.8; DB 145; Length 564;  
 Best Local Similarity 83.9%; Pred. No. 3.9e-71;  
 Matches 296; Conservative 0; Mismatches 57; Indels 0; Gaps 0;

Qy 1 gctttgttttggaagaaatccagagtggtggaatcgaaccttctaagaggagga 60  
 Db 211 GCTTTCTGTATGGGAAAAAAGCAAGTGTGTGAATCTCTCTCAAGGAAGAGGA 270  
 Qy 61 agattatcacgtgcacacctgtaacctctcagtggtccataaggggaagaaactaaagaga 120  
 Db 271 AAACCTACAGTGCACACCCCGGAACTTCTCAGTGTCCATACGGGAAGAGTAAAGAGG 330  
 Qy 121 accgatacatttttgcgcaggtgtctcctcgtgtaaacgctgtggtggaactgtgcc 180  
 Db 331 ACAGATACCATATATTGGCCAGGTTGTCTCTGTCTCAAGCGCTGTGAGAAATTTGTGCC 390  
 Qy 181 tgtgtctccacaattgcaatgaatgtaagtgtcccaagcaaaagttaactaaaaatac 240  
 Db 391 TGTGTCTCCATATGCAATGAATGTACGTGTGTCCACGTAAGTTACAAAAAGATAC 450

189	CCGATACCATGTTTCTGGCCAGGTTGTCCTGTTAAACGCCTGTGCTGGGAACCTGTGCC	248
181	tgtgtctccacaattgcaatgaatgtcaa-tgtgtcccaagcaaaagttaaaaaata	239
249	TGTGTCCTCCACAATTGCAATGAATGTCAAGTGTGTCCCAAGCAAAAGTTACTAAAAATA	308
240	cca-csaggtctctcattgtagaccacaaagaccggtgtcagggttgacacatcatccta	298
309	CCAGCGAGGTCCCTTCAGTTGTGAGACCAAGACCGGTGTGAGGGATGCGACAAATCACTCA	368
299	ccgactgcccctggagaccaccatgagagtggtg--actgtgtgcagagggagacag	355
369	CCAGCTGGCCCTGGAGACGCATGAGAGAGTGTGACTGTGTGTGTCAGAGGGAGGACAA	428
356	g 356	
429	G 429	
RESULT 9		
BG243001		
LOCUS		
DEFINITION		
ACCESSION		
VERSION		
KEYWORDS		
SOURCE		
ORGANISM		
REFERENCE		
AUTHORS		
TITLE		
JOURNAL		
COMMENT		
FEATURES		
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/organism="Mus musculus"		
/strain="FVB/N"		
/db_xref="taxon:10090"		
/clone="IMAGE:4483938"		
/clone_lib="NCI_CGAP_Maml"		
/tissue_type="tumor, biopsy sample"		
/dev_stage="3 months, virgin"		
/lab_host="DH10B"		
/note="Organ: mammary; Vector: pCMV-SPORT6; Site_1: Salt; Site_2: NotI; Cloned unidirectionally. Primer: Oligo dT. Library constructed by Life Technologies. Investigator providing samples: Gilbert Smith, NIH"		
242 a 220 c 250 g 198 t		
BASE COUNT		
ORIGIN		
Query Match 69.5%; Score 250.2; DB 175; Length 910;		
Best Local Similarity 84.7%; Pred. No. 1.9e-67;		
Matches 304; Conservative 0; Mismatches 53; Indels 2; Gaps 2;		
1	gcttgttttttggagaataatccagagtggtgattctgaaccttataacaggaggta	60
155	GCTTTCCTGTATGGGAAAAAAGCAAGTGGTGAATCTCAATCTCTCAAGGAAGAGTA	214
61	agattatacagctgcacacctgtgaacttctcagtctccataaagggaagaactaaaga	120

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Db 215 AAACCTACAGTCACACCCCGGAACTCTCAGTGTCCATACGGAAGAGCTAAAGAGG 274
Qy 121 accgataccatttttggccaggtgtctcctggttaaacgctgtggtggaactgtgcc 180
Db 275 ACAGATACCATATCTGCGCAGGTGTCTCTGGTCAAGCGGTGTGG-AGGAAATGTGCC 333
Qy 181 tttgtctccacaattgcaatgaatgtcaatgtgtcccaagcaaaagttactaaaaatac 240
Db 334 TGTGTCTCCATAATGCAATGAATGTCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 393
Qy 241 cacgaggtccttcacttagagaccaaagaccggtgtcaggggattgcacaaatcactcacc 300
Db 394 CATGAGGTCTCTCAGTGTGAGACCAAA-AACTGAGTCAAGGGATTGCATAAGTCACTCACT 452
Qy 301 gacgtggccctggagcacacatgagaggtgtgactgtgtgtgtgtgtgtgtgtgtgtgtgt 359
Db 453 CATGTGGCTGTGGACACACACGAGGAATGTGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 511

RESULT 10
BF011835 447 bp mRNA EST 06-OCT-2000
LOCUS us37d10.y1 Soares_NMEBA_branchial_arch Mus musculus cDNA clone
DEFINITION IMAGE:3169267 5' similar to FR:Q9QY71 Q9QY71 FALLOTEIN. ;, mRNA
sequence.
ACCESSION BF011835
VERSION BF011835.1 GI:10712110
KEYWORDS EST.
SOURCE house mouse.
ORGANISM Mus musculus
REFERENCE 1 (bases 1 to 447)
AUTHORS NCI-CCGAP http://www.ncbi.nlm.nih.gov/ncicgap.
TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
JOURNAL Unpublished (1997)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima Bonaldo
, Ph.D.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CCGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
image.llnl.gov/image/html/iresources.shtml

MGI:1064727
Seq primer: -40RP from Gibco
High quality sequence stop: 402.
Location/Qualifiers
1. .447
/organism="Mus musculus"
/db_xref="taxon:10090"
/clone="IMAGE:3169267"
/tissue_type="branchial arches"
/dev stage="embryo, 10.5 dpc"
/lab host="DH10B (phage resistant)"
/note="Vector: p773D-Pac (pharmacia) with a modified
polylinker. Site.1: NotI; Site.2: EcoRI; 1st strand cDNA
was primed with a Not I - oligo(dT) primer [5'
TGTACCAATCTGAAGTGGAGCGCGCGCATGCTTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
3'] double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not
I and Eco RI site of the modified p773 vector. Library
constructed and normalized by Bento Soares and M.Fatima
Bonaldo."
BASE COUNT 126 a 104 c 108 g 109 t
ORIGIN

Query Match 126.1%; Score 209.2; DB 174; Length 968;
Best Local Similarity 94.2%; Pred. No. 1.3e-54;
Matches 228; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

```

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Query Match 63.9%; Score 230.2; DB 143; Length 447;
Best Local Similarity 85.6%; Pred. No. 2.9e-61;
Matches 256; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

Qy 1 gctttgttttgaagaaatccagagtggtgagcttcaaaccttctaacagaggagta 60
Db 148 GCTTTCTGTATGGGAAAAAAGCAAGTGGTGAATCTCTCAAGGAAGAGGTA 207
Qy 61 agattatcacagctgcacacccctcctcagttcctcagtgccataaggaagaaactaaagaga 120
Db 208 AACTCTACAGCTGCACACCCCGGAACTCTCAGTGTCCATACGGAAGAGTAAAGAGG 267
Qy 121 accgataccatttttggccaggtgtgtcctcgtgttaaacgctgtgtgtgtgtgtgtgtgtgtgt 180
Db 268 ACAGATACCATATCTGCGCAGGTGTGTCTCTGGTCAAGCGGTGTGTGTGTGTGTGTGTGTGTGTGTGT 327
Qy 181 tttgtctccacaattgcaatgaatgtcagttgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 240
Db 328 TGTGTCTCCATAATGCAATGAATGTCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 387
Qy 241 cacgaggtccttcagttgagaccaaagaccggtgtcaggggattgcacaaatcactcacc 299
Db 388 CATGAGGTCTCTCAGTGTGAGACCAAAAGTGTGAGTCAAGGGATTGCATAAGTCACTCAC 446

RESULT 11
BF0118707 968 bp mRNA EST 30-JAN-2001
LOCUS 602348280F1 NIH_MGC_90 Homo sapiens cDNA clone IMAGE:4443498 5',
mRNA sequence.
ACCESSION BF0118707
VERSION BF0118707.1 GI:12612213
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
REFERENCE 1 (bases 1 to 968)
AUTHORS NIH-MGC http://mgc.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ARCC
cDNA Library Preparation: Life Technologies, Inc.
DNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM10217 row: o column: 19
High quality sequence start: 8
High quality sequence stop: 574.
Location/Qualifiers
1. .968
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="IMAGE:4443498"
/tissue_type="NIH_MGC_90"
/lab host="DH10B (phage-resistant)"
/note="Organ: liver; Vector: PCMV-SPORT6; Site.1: NotI;
Site.2: SalI; Cloned unidirectionally; oligo-dT primed.
Average insert size 1.7 kb. Library enriched for
full-length clones and constructed by Life Technologies.
Note: this is a NIH_MGC Library."
BASE COUNT 313 a 230 c 219 g 206 t
ORIGIN

Query Match 58.1%; Score 209.2; DB 174; Length 968;
Best Local Similarity 94.2%; Pred. No. 1.3e-54;
Matches 228; Conservative 0; Mismatches 13; Indels 1; Gaps 1;

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DB	13	CGCTGGGAGAAATTGTGCTGTTTCCTCAATAATGCAATGAATGCTCAAGTGTGTCCTCA	72
QY	220	agcaaaagtactaaaaataaccacgaggtcttcagttgagaccaaagacgcgtgtcagg	279
DB	73	CGTAAAGTTACAAAAAGTACCATGAGGTCTCTCAGTTGAGACCAAAAACTGAGTCAAG	132
QY	280	ggattgacaaatcactcaccgacgctggccctggagaccatcagagagtgtagctgtg	339
DB	133	GGATTGCATTAAGTCACTCACTGATGTGGCTCTGGAACACACCAGGAATGCTACTGTGTG	192
QY	340	tgacaggggacacagagag	359
DB	193	TGTAGAGGAAACGACGAGG	212

RESULT	13		
LOCUS	AA759138.1 425 bp mRNA EST 29-DEC-1998		
DEFINITION	ah78f03.s1 Soares_testis_NHT Homo sapiens cDNA clone 1321757 3', mRNA sequence.		
ACCESSION	AA759138		
VERSION	AA759138.1 GI:2807001		
KEYWORDS	EST.		
SOURCE	human.		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
AUTHORS	1 (bases 1 to 425)		
TITLE	NCI-CGAP <a href="http://www.ncbi.nlm.nih.gov/ncicgap">http://www.ncbi.nlm.nih.gov/ncicgap</a> . National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index		
JOURNAL	Unpublished (1997)		
COMMENT	Contact: Robert Strausberg, Ph.D. Email: cgapbs-remail.nih.gov cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima Bonaldo, Ph.D.		
FEATURES	cDNA Library Arrayed by: Greg Lennon, Ph.D. DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution Information can be found through the I.M.A.G.E. Consortium/LLNL at: <a href="http://www.bio.llnl.gov/bbrp/image.html">www.bio.llnl.gov/bbrp/image.html</a> Insert Length: 1417 Std Error: 0.00 Seq primer: -40ml3 fwd. Et from Amersham High quality sequence stop: 385. Location/Qualifiers 1. 425 /organism="Homo sapiens" /db_xref="taxon:9606" /clone="1321757" /clone_lib="Soares_testis_NHT" /sex="male" /lab_host="DH10B" /note="Vector: pT73D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA was prepared from mRNA obtained from Clontech Laboratories, Inc., and primed with a Not I - oligo (dT) primer [5', TGTTACCAATCTGAAGTGGAGCGCGCCCAATTTTTTTTTTTT 3']. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT73 vector. Library went through one round of normalization to Cot5, and was constructed by Bento Soares and M. Fatima Bonaldo."		
BASE COUNT	100 a 108 c 87 g 130 t		
ORIGIN			
Query Match	39.3%; Score 141.4; DB 11; Length 425;		
Best Local Similarity	98.7%; Pred. No. 1.8e-33;		
Matches	153; Conservative 0; Mismatches 1; Indels 1; Gaps 1;		
QY	206	gtcaatgtgtcccaagcaaaagtactaaaaataaccacgaggtcttcagttgagaccaa	265
DB	425	GTCAATGTGTCCCAAGCAAAGTACTAAAAATAATACCACGAGGTCCTTCAGTTGAGACCAA	366

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Qy 121 accgataccattttcttgccaggtgtctctcctggttaaacgctgt 165  
|| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
Db 280 ACAGATACCATAATCTGGCCAGGTGTCTCCTGGTCAAGCGCTGT 324

Search completed: July 18, 2001, 03:49:55  
Job time: 13553 sec

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